

L 11254-63

ACCESSION NR: AP3001079

unique genetic structures. V. S. Balabukha noted that one of the positive results of the symposium for participants is the development of a viewpoint which considers a multiplicity of mechanisms leading to protection. The article identifies many specialists and their particular fields and institutions.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQD: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 2/2 *lb/wm*

GANASSI, Ye.E.; EYDUS, L.Kh.; ARIFULINA, R.A.

Participation of oxygen in the radiation inactivation of dry
enzymes. Radiobiologiya 4 no.1:41-46 '64. (MIRA 17:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

BARD, Peys Ayzikovich; GANAY, Galina Nikiforovna; TUPIKIN, Georgiy
Ivanovich; MANOKHIN, V., red.

[Chemistry in industry] Khimia - proizvodstvu. Barnaul,
Altayskoe knizhnoe izd-vo, 1965. 75 p. (MIRA 19:1)

GANASSI, Ye.E.; ZARKH, Ye.N.; KOHDAROVA, N.V.; EYDUS, I.KH.

Physicochemical study of the mechanism of enzyme inactivation.
Report No.1. Thermal inactivation of myosin and pepsin,
intact and following irradiation. Biofizika 10 no.6:966-973 '65.
(MIRA 19:1)

I. Institut biologicheskoy fiziki AN SSSR, Moskva. Submitted
April 29, 1965.

Country : USSR
Category : Farm Animals. Q-5
The Honey Bee.
Abs. Jour : Red Zhur-Biol., No 14, 1958, 14153
Author : Ganayev, A. I.
Institut. : Far East Scientific Research Institute of*
Title : The Effectiveness of Migrating Apiaries for
the Gathering of Honey.
Orig. Pub. : Byul. nauchno-tekhn. inform. Dal'no-vost. n.-
i. in-ta s, Kh., 1957, 3, 40-42
Abstract : In experiments conducted at the Far-East expe-
rimental station of apiculture, migration to
the forest-steppe zone in order to collect from
various grasses permitted to obtain additional
honey collections of 60-120 kg of honey per
one bee colony. Direct costs per 1 kg of honey
were reduced from 3.05 to 2.55 rubles at one
apiary, and from 6.23 to 3.54 rubles at ano-
ther.

Card: 1/1 *Agriculture.

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GANBAROV, Yu.G.

Deep-water seismic prospecting method. Azeri.neft.khoz. 38
no.11:3-5 N '59. (MIRA 13:5)
(Seismic prospecting)

RAPOPORT, S. Yat; SHAPIROVSKIY, N. I.; GANBAROV, Yu.G.

Offshore seismic prospecting in the Azerbaijan S. S. R. Trudy
AzNII DN no.9:11-25 '60 (MIRA 14:5)
(Azerbaijan--Seismic prospecting)

GASANOV, I.S.; GANBAROV, Yu.G.

Recent data on the tectonics of the southeastern part of the Baku Archipelago. Azerb. neft. khoz. 39 no.1:4-7 Ja '60. (MIRA 14:8)
(Baku Archipelago--Geology, Structural)

S/169/62/000/001/019/083
D228/D302

AUTHORS: Shapirovskiy, N. I. and Ganbarov, Yu. G.

TITLE: The question of studying by seismic surveying the tectonics of Mesozoic deposits in sea areas

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 27, abstract 1A227 (Azerb. meft. kh-vo, no. 1, 1961, 8-11)

TEXT: The results are described of methodical work, carried out in 1957-1958 by the Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti (Azerbaydzhan Scientific Research Institute of Oil Extraction), on the development and testing of highly-sensitive low-frequency seismic-surveying equipment intended for studying the Caspian Sea's deeply-lying Mesozoic deposits. A piezocrystalline pressure receiver consisting of 20 - 30 separate devices with Seignette's salt, joined in parallel and connected to the secondary winding of the inlet transformer of a TP-1 (TR-1) seismic amplifier, was found to be the best seismic detector. For 30 receivers and a transformer inductance of 800 henries

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S/169/62/000/001/019/083
D228/D302

The question of studying ...

the rating maximum lies on the frequencies 6 - 8 c/s. A piezo-scythe of *KTW-03* (KTSh-03) wire with a spacing of 100 - 150 m between the receivers which can be stowed on the bottom, and also a floating oil-filled scythe with a plastic hose, containing wires on the inside and receivers on the outside, are recommended for the reception equipment. Both designs allow the scythe's lowering and recovery to be mechanized when working at sea. Specially prepared low-frequency amplifiers with right rating cuts on 8, 14, and 19 c/s and an amplification coefficient of 500,000 - 700,000 were employed in the tests at sea. The apparatus was tested during correlation refraction method operations on two profiles with a length of up to 60 km. At distances of up to 10 - 17 km charges of up to 5 kg were sufficient for procuring reliable recordings; charges of up to 96 kg are necessary at distances of 40 - 50 km. The system of counter and overtaking hodographs, obtained on a profile near the Baku Archipelago, enabled three refracting horizons to be traced here. The deepest of them, lying at 10 - 12 km, is regarded as the roof of the Mesozoic deposits. In the Sumgait-



Card 2/3

S/169/62/000/001/019/083
D228/D302

The question of studying ...

Kilyazi area Mesozoic deposits were traced at a depth of 5 - 6 km. The data so obtained gave the first information about the tectonics of the Mesozoic deposits in the area of the trial operations. [Ab-stractor's note: Complete translation.]



Card 3/3

S/169/62/000/009/027/120
D228/D307

AUTHORS: Limbakh, Yu. I., Ganbarov, Yu. G. and Shapirovskiy,
N. I.

TITLE: Question of the frequency theory of grouping

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 28, ab-
stract 9A186 (Collection: Nauchno-tekhn. inform. Azerb.
n.-i. in-t po dobyche nefti, no. 3 spec., 1961, 3-19)

TEXT: The authors consider some experimental research on the fre-
quency theory of grouping, carried out under conditions of marine
seismic exploration. The equivalence of the grouping of sources and
receivers, located in an aqueous environment, is shown experimen-
tally. The change in the form of the experimental seismic impulse
in a group's output is investigated in relation to the dimension
of the seismograph group's base. A description is given of a no-
mographic method for estimating phase shifts in grouping in confor-
mity with seismic signals of any form. [Abstracter's note: Com-
plete translation.]

Card 1/1

L 32104-65 EWT(1)/EWA(h) Feb GW

ACCESSION NR: AR5005752

8/0168/64/000/012/5016/0016

SOURCE: Ref. zh. Geofiz., Abs. 12891

AUTHORS: Ganbarov, Yu. G.; Bakayev, D. Kh.

TIME: Nomographic method of determining the grouping base in seismic prospecting

CITED SOURCE: Azerb. neft. kh-vo, no. 6, 1964, 9-12

TOPIC TAGS: seismic wave propagation, earth stratification, seismograph grouping, earth crust interface

TRANSLATION: A nomographic method is proposed for determining the grouping base for the reception of both useful waves and for the suppression of interference waves. The nomograms can be constructed for each specific region, if one knows beforehand the law governing the variation of the average velocities with depth, and if one knows tentatively the angle of inclination of the reflecting horizons. The nomograms constitute a family of curves plotted in coordinates θ_a (apparent velocity) and h (depth of the reflecting horizon). The parameters of the curves

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ACCESSION NR: AR5005752

are the inclination angles φ of the reflecting horizons. These nomograms are connected with the next family of curves, which establish the connection between V_a and the grouping base, $2K_0 = 2\pi V_a / f_{gr}$, their parameter being the quantity f_{gr} (the frequency corresponding to the first zero value of the frequency characteristic of the groups). The availability of the nomograms simplifies and accelerates the determination of the grouping base. The nomogram shows clearly the variation of the values of V_a of the useful waves as a function of the depth and the angles of inclination of the reflecting horizons. This makes it possible, when choosing the base of the group, to estimate simultaneously the possibility of reception or suppression of all the reflected waves corresponding to the investigated depth interval. Practical procedures for using the nomograms are illustrated with an example. A. Titkov.

SUB CODE: ES

ENCL: 00

Card 2/2

SERGEYEV, L.A.; SHAPIROVSKIY, N.I. [deceased]; BABAYEV, D.Kh.; GANBAROV, Yu.G.;
AKHUNDOV, I.D.; TAGIYEV, Z.B.; TAGIYEV, A.I.; ISMAYLOVA, R.I.;
UMANOVA, V.A.; GUSEYNOVA, N.N.; ALIZADE, Kh.A.; CHURLIN, V.V.;
TOROPOVA, K.M.

First results of the use of the seismic method for the direct
prospecting of oil and gas pools in the sea. Dokl. AN Azerb.
SSR 20 no.9:27-31 '64. (MIRA 18:1)

1. Institut geologii i razrabotki goryuchkikh iskopayemykh
AN SSSR i Azerbaydzhanskiy nauchno-issledovatel'skiy institut
po dobyche nefi.

L 15262-66 ENT(1)/EWA(h) GW
ACC NR: AR5016459

SOURCE CODE: UR/0169/65/000/005/D017/D017

AUTHOR: Ganbarov, Yu.G.

ORG: none

TITLE: Use of barium titanate ceramic ²⁵transducers in naval seismic surveys

SOURCE: Ref. zh. Geofizika, Abs. 5D122

REF SOURCE: Tr. Azerb. n.-i. in-t po dobyche nefi, vyp. 13, 1964, 233-237

TOPIC TAGS: seismic prospecting, seismography, seismic instrument

TRANSLATION: The operational efficiency of a barium titanate ceramic piezotransducer is examined. The results are given of naval seismic studies carried out by means of this transducer. As an outcome of these studies, it was established that a seismic transducer made of barium titanate ceramic possesses an identity which is no less than the identity of transducers made of Rochelle salt. The barium titanate ceramic transducers register the same oscillations and have approximately the same sensitivity as the Rochelle salt devices. The seismographic data obtained is of a good and satisfactory quality. The seismographs show clearly-defined cophase axes at periods of 5-6, and sometimes of 8-10 seconds. It is deduced that seismic transducers made of barium titanate ceramic have good operational qualities. I. Bazovkina.

SUB CODE: 08

Card 1/1 *PC*

UDC: 550.834

LYSOVA, A.I., kand. tekhn. nauk; DANBEKOV, S.D., kand. tekhn. nauk; SMIRNOVA, L.Z., inzh.; KALISTRATOVA, M.V.; GANBERG, M.M.; IONOVA, K.I.; SHISTER, G.M., red.

[Album of prestressed reinforced concrete roof constructions for the general repair of apartment houses] Al'bom predvaritel'no napriazhennykh zhelezobetonnykh konstruktsiy krysh dlia kapital'nogo remonta zhilykh domov. Leningrad, 1962. 8, 58 p. diags. (MIRA 16:11)

1. Akademiya kommunal'nogo khozyaystva. Leningradskiy nauchno-issledovatel'skiy institut.
(Roofing, Concrete)

LYSOVA, A.I., kand. tekhn. nauk; VINE, S.I., inzh.; VAL'KIN, I.S.,
inzh.; IGKOVA, K.I., inzh.; KALISTRACOVA, M.T., inzh.;
RABINOVICH, G.M., inzh.; SHISTER, G.M., red.

[Album of precast reinforced concrete elements of enclosing structures for major repair of residential buildings; working drawings] Albom sbornykh zhelezobetonnykh konstruksii perekrytii dlia kapital'nogo remonta zhilykh domov; rabochie chertezhi. Leningrad, Akad. kommun.khoz. 1963. 115 p. (MIRA 17:7)

1. Akademiya kommunal'nogo khozyaystva. Leningradskiy nauchno-issledovatel'skiy institut.

GANBURG, D. Yu.; LELYAKINA, T.M.; VESELOVSKIY, K.B.; BELUGINA, L.N.

Changes in the peat surface during its gasification. Inzh.-fiz.
zhur. no.9:99-102 S '60. (MIRA 13:9)

1. Gosudarstvennyy institut azotnoy promyshlennosti, Moskva.
(Peat gasification)

GANCARZYK, J.

"Waste pipes for establishments of the chemical industry." p. 208. (Chemik.
Vol. 6, no. 7/8, July/ Aug. 1953. Katowice.)

SO: Monthly Lists of East European Accessions, Vol. 3, No. 2, Library of Congress,
Feb. 1954, Uncl.

GANCARZ, B.

"Therapeutic Value of Nitric Yperite and Penicillin in Leptospirosis of Dogs",
P. 23, (MEDYCYNA WETERYNARYJNA, V 1. 10, No. 1, Jan. 1955, Warszawa, Poland).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955, Uncl.

GANCARZ, Bronislaw (Warszawa)

Problems of microelements in animals in Poland. Rocznik nauki rolniczej
70 no.1/4:49-58 '60. (EEAI 10:9)

(Animals) (Trace elements)

EXCERPTA MEDICA Sec 4 Vol 12/11 Med. Micro. Nov 59

3841. STUDIES ON SCHISTOSOMIASIS. I. 'CERCARIEN-HUELLEN-REAKTION'
AND PRECIPITIN RING TEST FOR EARLY DIAGNOSIS AND CRITERIA
OF CURE IN EXPERIMENTAL SCHISTOSOMIASIS JAPONICA - Gancarz
Z. Inst. of Parasitol., Chinese Acad. of Med. Scis, Shanghai - CHIN. MED.
J. 1958, 77/3 (236-240)

Three groups of rabbits were inoculated with different dosages of cercariae of
Schistosoma japonicum. Both CHR and PRT were positive in all experimental
animals. Correlation existed between the degree of infestation and intensity of
serological tests. The CHR and PRT became negative after successful treatment.
The advantage of serological procedures over stool examinations is emphasized.
Van Beukering - Almelo (L. 4, 6)

EXCERPTA MEDICA Sec 17 Vol 5/8 Public Health Aug 59

2442. STUDIES ON SCHISTOSOMIASIS. II. COMPARATIVE STUDY ON THE ACTIVITY OF SODIUM SALTS OF PENTA-, TETRA- AND TRICHLOROPHENATE AGAINST ONCOMELANIA HUPENSIS - Gancarz Z. Inst. of Parasitol., Chinese Acad. of Med. Scis, Shanghai - CHIN. MED. J. 1958, 77/3 (240-242) Tables 1
Pentachlorophenate is 2-4.5 times more potent than either tetra- or trichlorophenate.

EXCERPTA MEDICA Sec 4 Vol 12/9 Med. Micro. Sept 59

2914. STUDIES ON SCHISTOSOMIASIS. III. RESISTANCE OF ONCOMELANIA
SNAILS TO SODIUM PENTA-CHLOROPHENATE - Gancarz Z. Inst.
of Parasitol., Chinese Acad. of Med. Scis, Shanghai - CHIN. MED. J. 1958,
77/3 (242-243)

In order to inquire into PC-resistance a series of experiments with Oncomelania
hupensis exposed to NaPCP was undertaken on the basis of the results obtained

from a preliminary study with *Oncomelania nosophora* (Okabe et al., J. Kurume Med. Ass. 1956, 19, 1609). More than 14,000 snails were used in 4 experiments. So far as can be judged from these laboratory experiments, the existence of acquired drug resistance in *Oncomelania hupensis* after repeated exposures to progressively increasing doses of NaPCP might be anticipated.

GANCARZ, Z.; DYMEK, E.

Clinical and epidemiological observations on an outbreak of trichinellosis in Bydgoszcz, Poland, 1959. Wiadomosci parazyt. 6, no. 4: 334 '60.

1. State Institute of Hygiene, Department of Parasitology in Warsaw and San.-Epid. Station in Bydgoszcz, Poland.
(TRICHINOSIS epidemiol)

GANCARZ, Z.

Serological tests and eosinophilia in 500 observed trichinellosis cases with different clinical duration and severity of the disease. Wiadomosci parazyt. 6 no.4:350-351 '60.

1. Department of Parasitology, State Institute of Hygiene, Warsaw, Poland.

(TRICHINOSIS diag)

(EOSINOPHILS)

GANCARZ, Zygmunt

Characteristics of epidemic foci of trichinosis in Poland during
1954-1959. Przegl. epidem. 15 no.1:1-14 '61.

1. Z Zakładu Parazytologii Lekarskiej P.Z.H. w Warszawie Kierownik:
dr Z. Dymowska.

(TRICHINOSIS epidemiol)

GANCARZ, Zygmunt; DYMEK, Edwin

A mass outbreak of trichinosis in Bydgoszcz in 1959. Przegl. epidem.
15 no.1:15-25 '61. (TRICHINOSIS epidemiol)

GANCARZ, Zygmunt; KEPSKA, Stefania

Clinical and epidemiological observations during the outbreak of trichinellosis in Zabrze in 1960. Acta parasit Pol 10 no.12/20: 271-276 '62.

1. Zakład Parazytologii Lekarskiej, Państwowy Zakład Higieny, Warszawa, Chocimska 24 (for Gancars). 2. Wojewódzka Stacja Sanitarno-Epidemiczna, Katowice, Swierczewskiego 39 (for Kepska).

BRZEZINSKI, Zbigniew; GANCARZ, Zygmunt

Evaluation of vaccines and of the effectiveness of vaccinations against typhoid fever. VI. Post-vaccination reactions in adults to N,P,S, and T vaccines. Przegl. epidem. 17 no.1/2:45-48 '63.

1. Z Zakladu Higieny Ogolnej AM w Warszawie Kierownik: prof. dr M. Kacprzak.

(TYPHOID-PARATYPHOID VACCINES)

GINOCCI, Agostino

Studies on the efficacy of serological tests with *T. spiralis* antigens in the diagnosis of cases of trichinellosis in epidemic foci. Acta parasit Pol 12 no.30/31:441-454 '64.

I. Department of Parasitology of the State Institute of Hygiene, Warsaw.

BYNIEWSKA, Zofia; ZAKRZEWSKA, A.; ALEKSANDROWICZ, J.; ZAPART, Wanda;
GANCARZ, Zygmunt

The use of fractioned *Trichinella spiralis* antigens in the diagnosis
of trichinosis. *Wiad. parazyt.* 10 no. 4:311-312 '64

1. Zakład Parazytologii Lekarskiej Państwowego Zakładu Higieny,
Warszawa.

GASGAS. 1.

ECONOMIC CALCULATIONS OF PREHEATERS.

p 460 (MAGYAR ENERGIAGAZDASAG) BUDAPEST, HUNGARY VOL. 9 NO 11/12 NOV/DEC 1957

SO: MONTHLY INDEX OF EAST EUROPEAN ACESSIONS (AEEI) VOL 6 NO 11 NOVEMBER 1957

GANCEV, N. [Ganchev, N.]; TODOROVA, Sv.

Microquantitative determination of citric and malolic acid. Doklady
BAN 14 no.6:591-594 '61.

1. Vorgelegt von Akademiemitglied D. Ivanoff [D. Ivanov].

TEODORESCU, P., prof.; SASATMAN, Maria, dr.; GANCEVICI, Alina, dr.; IONASESCU, R., dr.

Chronic hepatopathies with paraproteinosis and paraproteinosis with hepatic repercussions. Med. intern. 14 no.12:1443-1453 D '62.

1. Lucrare efectuata in Clinica medicala, Spitalul "Bernat Andrei", Bucuresti.

(LIVER DISEASES)

(BLOOD PROTEIN DISORDERS)

GANCEVICI, G.

IONESCU-MIHAIESTI, C., academician,; DIMBOVICIANU, Aristia.,; EUGENIA, Soru.,; GANCEVICI, Gh.,; OPRESCU, C.G.

Chemical composition and biological properties of non-dialyzable polysaccharide fractions isolated from culture filtrates of tubercle bacilli of the H₃₇v human type and the Vallee bovine type in synthetic medium. Stud. cercet. inframicrobiol., Bucur. 6 no.1-2: 141-154 Jan-June 55.

(MYCOBACTERIUM TUBERCULOSIS

H₃₇v human strain & Vallee bovine strain, polysaccharide fractions from culture filtrates)

(POLYSACCHARIDES

non-dialyzable fractions from culture filtrates of M. tuberc., chem. composition & biol. properties)

GANCEVICI, G.

IONESCU-MIHAIESTI, C., Acad.; GANCEVICI, G., dr.; HORODNICERANU, F., dr.
KLEIN, R., dr.; MARCOVICI, M., dr.; VOICULESCU, R., dr.

Epidemiology of poliomyelitis: epidemiological aspects of
poliomyelitis in the Rumanian People's Republic. Rev. igiena
microb. epidem., Bucur. Vol.3:3-18 July-Sept 55.

1. Lucrare efectuata in Institutul de imunologie Bucuresti.
Director, Acad. C. Ionescu-Hihalesti.
(POLIOMYELITIS, epidemiology
in Rumania.

GANCEVICI, G.

NUMATA/Microbiology - *Microbes Pathogenic for Man and Animals.*
Bacteria. Mycobacteria.

Abstr Jour : Ref Zhur Biol., No 22, 1958, 976-984
Author : Ionescu-Khoinesti, C., Mambroicescu, Aristin-Doru, E.,
Durbel, G., Radulescu, E., Gancevici, G., Sternberg, M.
Inst : Rumanian Academy
Title : Complete Antigen of the Glucido-lipid-mucopolysaccharide
Type Extracted from *Tubercle Bacilli* of the Human Type
K37H.
Orig Pub : *Commun. Acad. RPR*, 1956, 6, No 10, 1245-1250

Abstract : The authors obtained a complex of the glucido-lipid-mucopolysaccharide type by subjecting defatted microbe cells to the action of a borate buffer (pH 8.2). The obtained complex contains 30.45% of nucleic acids (in nucleic acid and 15.98% of ribonucleic acid), 4%

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of reducing sugars and 9.74% of lipids. Following acid hydrolysis of the complex, 13 amino acids were detected with the aid of chromatography, among them 31.2% of alanine, 18.3% of glutamic acid, 10.84% of aspartic acid, and 8.37% of cysteine; besides that, 5 reducing sugars were found (16.5% of arabinose, 17% of galactose, 5.11% of mannose, 3.31% of ribose and 2.8% of glucose). The complex is split with the aid of electrophoresis into 4 fractions; they may be identified by the rate of migration with the following serum proteins: delta-globulin (8%), gamma-globulin (87%), beta-globulin (10%), and albumin (2%). The obtained complex possesses the properties of a complete antigen. Injected intraperitoneally, it causes a typical reaction of tuberculin sensitivity, reacting with tuberculin in dilutions of 1:9 to 1:6,250-1:12,500, and with the complete antigen in

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- 99 -
collisions of 1:1,600-1:1,200. - E.M. Model'

Card 3/3

TEODORESCU, P., prof.; SAVULESCU, V., dr.; ANDRONACHE, I., dr.; STEFAN, I., dr.;
GANCEVICI, A., dr.; TINCU, S., chem.; STANCESCU, Smaranda, dr.

Adrenocortical physiopathological correlations in the pre-ulcerous
stage of peptic ulcer. Med. intern. (Bucur.) 17 no.9:1069-1076 S '65.

1. Lucrare efectuata in clinicile medicale de la Spitalul Raionului
"T. Vladimirescu" si de la Spitalul "Brincovenesc", Institutul medico-
farmaceutic, Bucuresti.

EXCERPTA MEDICA Sec 4 Vol. 10/11 Microbiology Nov 57

2708. GANCEVICI G. and DÎMBOVICEANU A. *Asupra structurii antigenelor solubile bacilare: disociere între acțiunea hemosensibilizantă și cea inhibitoare a hemaglutinării. The structure of bacillary soluble antigens; dissociation between the haemosensitizing action and the action of haemo-agglutination inhibition. STUD. CERC. INFRAMICROBIOL. MICROBIOL. PARAZITOL. 1956, 7/1-2 (177-188) Graphs 3 Tables 4 Illus. 3

The data exposed in this study show that the haemosensitizing activity of purified soluble bacillary antigens may be inhibited, without their neutralizing property vis-à-vis homologous antibodies undergoing any appreciable changes. The dissociation of the haemosensitizing activity from the serum-neutralizing activity is effected by treating bacillary antigen solutions with normal sheep erythrocytes or with horse serum. For the different antigen preparations (polysaccharides), obtained by various methods, the haemosensitizing activity is inversely proportional to their serum-neutralizing activity. The results show that the antigens examined (tuberculopolysaccharides and tuberculoproteins) are not homogeneous; they con-

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tain at least 2 types of molecules: the former have 2 active groups (affinity for erythrocytes as well as for homologous antibodies) and the latter one single active group (affinity for homologous antibodies).

IONESCU-MIHAIESTI, C., Academician; MARCOVICI, M.; GANCEVICI, G.;
KLEIN, R.; VOICULESCU, R.; OLARU, T.

Study of the poliomyelitis epidemic in Bucharest in 1953.
Stud. cercet. inframicrobiol., Bucur. 7 no.3-4:267-293 July-
Dec 56.

1. Comunicare prezentata in sedinta Sectiei de stiinte medicale
a Academiei R.P.R.

(POLIOMYELITIS, epidemiology
epidemic in Bucharest),...

GANCEVICI, G.G.; DIMBOVICEANU, Aristia

Inhibiting effect of normal serum on the hemo-sensitizing action of the polysaccharide produced by *Mycobacterium tuberculosis*. Stud. cercet. inframicrobiol., Bucur. 7 no.3-4:503-515 July-Dec 56.

1. Comunicare prezentata in sedinta Institutului de inframicrobiologie al Academiei R.P.R.

(BLOOD

inhib. eff. of normal sera on hemo-sensitizing action of polysaccharide produced by *M. tuberc.*)

(POLYSACCHARIDES

from *M. tuberc.*, inhib. eff. of normal sera on hemo-sensitizing action)

(MYCOBACTERIUM, TUBERCULOSIS

inhib. eff. of normal sera on hemo-sensitizing action of polysaccharide component of *M. tuberc.*)

IONESCU-MIHAIESTI, G.; DIMBOVICEANU, Arista; SORU, Eugenia; RADULESCU, Elena;
BARBER, Cella; GANCEVICI, G.; OPRESCU, C.C.; FLECHNER, I.; STERNBERG, M.

Chemical and antigenic properties of protein fractions isolated from
filtrates of cultures of tubercle bacilli of the human type H₃₇v in
Sauton's medium. Stud. cercet. inframicrobiol., Bucur. 8 no.185-94 1957.

(MYCOBACTERIUM TUBERCULOSIS, culture

human type H₃₇v bact. cultured in Sauton medium, chem. &
antigenic properties of protein fractions)

(ANTIGENS

antigenic properties of protein fractions of M. tuberc.,
type H₃₇v, cultured in Sauton's medium)

(PROTEINS³⁷

protein fractions of M. tuberc., type H₃₇v, culture in
Sauton's medium, chem. & antigenic properties)

GANCEVICI, G.

"Elaboration of protective antigens by Bacillus anthracis under anaerobic conditions" by G.G. Wright, M. Puziss. Reviewed by G. Gancevici. Microbiologia (Bucur) 3 no.5: 393 S-0'58.

"Intracellular structures of Mycobacterium" by T. Toda, K. Masaatsu, H. Noboru, T. Keuji. Reviewed by G. Gancevici. Ibid.:409

GANCEVICI, G.; STOIAN, I.; KELLER, Zoe

Cytochemical localization of fats in tissue cultures (alkaline Nile blue test). Arch. roum.path. exp. microbiol. 21 no.1:191-202
Mr '62.

1. Travail de l'Institut "Dr. I. Cantacuzino" — Service de la
Poliomyélite, Laboratoire des Cultures de Tissus.
(TISSUE CULTURE) (FATS) (STAINS AND STAINING)
(OXAZINES)

GANCHARIK, M.N.; RUSetskAYA, L.P.; MARSHAKOVA, M.I.

Photosynthetic intensity of potato leaves occupying different
levels of the plant. Sbor. nauch. rab. Bel. otd. VBO no.3:
169-173 '61. (MIRA 14:12)
(Photosynthesis)

GANCHEL', F. F.: Master Med Sci (diss) -- "The use of conditioned-reflex sleep
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24 pp (Min Health Ukr SSR, Dnepropetrovsk State Med Inst), 200 copies (KL, No 7,
1959, 128)

GANCHEL', F.F. (Novomoskovsk, Dnepropetrovskoy oblasti)

Conditioned response sleep for treating some internal diseases.
Vrach.delo no.4:423 Ap '57. (MIRA 10:7)

1. Pervaya gorodskaya bol'nitsa.
(SLEEP--THERAPEUTIC USE) (VISCERA--DISEASES)

GANCHEL', F.F., otv.red.; GERBACHEVSKIY, A.F., zasluzhenny vrach USSR, red.; KAPLINA, A.V., zasluzhenny vrach USSR, red.; KRASHOMOVETS, V.N., red.; PAVSHA, G.F., zasluzhenny vrach USSR, red.; KHOLOPTSEVA, Z.I., red.; SNEZHIN, M.I., red.; KOPEYCHIK, P.N., tekhn.red.

[Research articles by physicians of Zhitomir Province, Ukrainian S.S.R.] Nauchnye trudy vrachei Zhitomirskoi oblasti Ukrainskoi SSR. Zhitomir, 1959. 255 p. (MIRA 14:2)

1. Zhitomirskiy oblastnoy otdel zdravookhraneniya. 2. Zaveduyushchiy Zhitomirskim oblzdarvotdelom (for Ganchel'). 3. Zhitomirskaya oblastnaya bol'nitsa (for Gerbachevskiy, Kaplina, Krasnomovets, Pavsha).

(MEDICINE)

GANCHEL', F.F.

Improve the organization of the public health system and the quality
of medical services for the public. Zdrav.Ros.Feder. } no.2:29-32
F '59. (MIRA 12:2)

1. Zavedyuyshchiy Zhitomirskim obl'stravotdelom.
(PUBLIC HEALTH)

GANCHEN', F.F.

Reorganization of the lower echelon of the public health system.
Vrach.delo no.1:81-83 '60. (MIRA 13:6)

1. Zaveduyushchiy Zhitomirskin oblastnyy sdravotdelom.
(ZHITOMIR PROVINCE--HOSPITALS)

Ganchel' L.E.

Category: USSR/Analytical Chemistry - Analysis of inorganic substances.

G-2

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31039

Author : Menkina M. M., Fridman L. A., Ganchel' L.E.

Inst : not given

Title : New Procedure for the Analysis of Nickel Baths

Orig Pub: Sb. Mashinostroitel' Belorussii, No 1 (2). Minsk, 1956, 115-116

Abstract: Description of a method for the determination of boric acid in nickel electrolyte baths by titration with a solution of NaOH, to phenol-phthalein, in the presence of mannite. Ni is first removed by precipitation as hydroxide, by means of NaOH.

Card : 1/1

-58-

SOV/137-57-6-11203

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 260 (USSR)

AUTHORS: Menkina, M.M., Fridman, L.A., Ganchel', L.E.

TITLE: Photocolorimetric Determination of Nickel Sulfate in a Nickel Plating Bath (Fotokolorimetricheskoye opredeleniye sernokislogo nikelya v nikelvovoy vanne)

PERIODICAL: V sb: Mashinostroitel' Belorussii. Nr 1 (2). Minsk, 1956. pp 117-118

ABSTRACT: The method is based on the determination of NiSO_4 in a FEK-M type photocolorimeter with a red light filter. The cells used have a working length of 3 mm. A comparative table of the variations of the optical density in relation to the variation of NiSO_4 contents in the bath is adduced. The calibration curve is drawn according to precisely weighed amounts of chemically pure NiSO_4 . The NiSO_4 content in standard solutions is checked by three methods: volumetric, electrolytic, and photocolorimetric. The colorimetric method permits one to analyze solutions containing 350-400 g/l. Fluctuations in H_3BO_3 and NaCl content and variations in the pH have no effect on the result of the determination.

K.K.

Card 1/1

LUKINYKH, A.K., kand.med.nauk; GANCHENKO, L.I.

A case of isolated duodenal lymphogranulomatosis. *Khirurgia*
'35 no.2:102-104 F '59. (MIRA 12:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof.
I.Ye.Matsuyev) Ryazanskogo meditsinskogo instituta imeni akad.
I.P.Pavlova (dir.L.S.Sutulov) i rentgenologicheskogo otdeleniya
Ryazanskoy oblastnoy klinicheskoy bol'nitsy im. Semashko (glavnyy
vrach - zasluzhennyy vrach RSPSR B.N.Shirokov).

(DUODENUM, neoplasms,
Hodgkin's dis. (Rus))
(HODGKIN'S DISEASE, case reports,
(Rus))

GANCHENKO, L.I.

X-ray diagnosis of cancer of the greater curvature of the stomach.
Vop.onk. 5 no.10:441-449 '59. (MIRA 13:12)
(STOMACH—CANCER)

18.3100

77722

SOV/149-60-1-11/27

AUTHORS: Sushkov, K. V., Burda, V. T., Ganchenko, V. M., Neiman, V. G., Putilin, Yu. M., Sazhin, Yu. G., Chirkova, N. P., Yaloza, V. G.

TITLE: Experimental Electromelting of Lead Concentrates With Soda Under Semi-Industrial Conditions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Tsvetnaya metallurgiya, 1960, Nr 1, pp 84-90 (USSR)

ABSTRACT: This article describes the application of an experimental method of lead smelting with soda under semi-industrial conditions developed by K. V. Sushkov, Cand. of Techn. Sciences, (Collection of Scientific Works, KazGMI, Nrs 10, 12, 16, 1955). Tests were carried out by the experimental shop and lead plant (svintoscvyv zavod) of Leninogorsk Combine (Lininogorskiy Kombinat) and by Kazakh Mining and Metallurgical Institute (Kazakhskiy gornometallurgicheskiy institut). Smelting was done in a single-phase electrical furnace with a 0.8 m² bottom area, 250 kw transformer

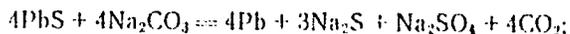
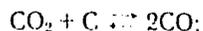
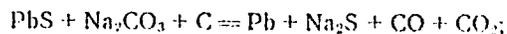
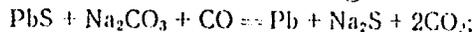
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Experimental Electromelting of Lead
Concentrates With Soda Under Semi-
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power, and voltage steps of 30, 40, and 50 v; bottom and walls were lined with chromomagnesite; roof and shaft with chamotte. Optimal voltage was 50-70 v, current 3,000 to 4,000 amp; electrode dip into bath, 270-400 mm; depth of fully fused bath, 650-670 mm; depth of lead layer, 150-200 mm. Slag was tapped 2-3 times per shift and metal, 1-2 times a day. Temperature under the roof was 700-800°; of the slag, 1,000-1,050°, and it had a low viscosity at this temperature; slag-matte was tapped immediately after turning off the furnace and without allowing it to settle. It contained only 0.2% Pb, indicating good separation. A series of chemical reactions occur during smelting.



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$\text{Na}_2\text{SO}_4 + \text{CO} = \text{Na}_2\text{S} + \text{CO}_2$

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$\text{Na}_2\text{CO}_3 + 2\text{C} = 2\text{Na} + \text{CO}$

SOV/149-60-1-11/27

$\text{PbS} + \text{Na} = \text{Pb} + \text{Na}_2\text{S}$

The theoretical quantity of soda necessary for the reduction of a concentrate with 50% Pb content is 26.6% of the weight of the concentrate. In view of Al_2O_3 and SiO_2 admixtures, this quantity was raised to 70% and even to 100% of the weight of the concentrate; 10% fine coke was added. Soda was 72 to 97% pure; the concentrates contained 35 to 52% Pb; 3.4 to 16.9% Zn; 2 to 8% Cu; 11 to 26% S; 5 to 12.4% Fe. The vacuum under the roof was adjusted by a sliding valve and maintained at 0.5 to 1.0 mm H_2O . Results of melts:

24, 563.5 kg charge was melted and 5,641.8 kg crude lead was obtained. The rate of direct Pb extraction reached 98.4%. Copper concentrated principally in the slag-matte, which contained also 0.35% Pb. 74.64% of Zn content passed into the slag and 14% sublimated. Smelting with 70% by wt of soda produced results not inferior to those with 100% soda. Encouraged by this result, natural soda from Mikhailovka deposit was

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Experimental Electromelting of Lead
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substituted for calcinated soda with resulting lead extraction of 92.5% (7.3% sublimated). Zinc, in this case, passed 50/50 into slag and flue dusts. The average power consumption was 870 kwh per ton of charge, which is probably a higher rate than under normal conditions, the furnace size being small. The average soda consumption was 90% of the weight of the concentrate (Mikhailovo natural soda containing a mere 74.3% Na_2CO_3 , its actual consumption is only 74% even when 100% is added). Test smelting of Irtysh flue dusts resulted in a 90% Pb extraction (9.25% went into the dust). Table 4 shows comparative results of conventional and soda smelting at Leninogorsk Lead Plant.

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Table 4. Comparison of technological data for different methods of concentrate smelting.

(A)	(B)	(C)	(D)
(E)	91,6	93,2	98,4
(F)	3,9	1,3	0,7
(G)	2,01	1,95	0,35
(H)	96	97	98,56
(I)	78,0	45,0	91,5
(J)	61,6	3,6	5,9
(K)	--	8,81	2,52
(L)	18 - 2,2	1,84	0,31
(M)	(N)	(O)	(P)
(R)			
(S)			
	(Q) 1360 - 1350	1450	1000 - 1100

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Key to Table on Card 6/5

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Key to Table 4: (A) Description; (B) Shaft furnace; (C) Electrosmelting of fluxless sinter; (D) Electrical melting of crude concentrates with soda; (E) Pb extraction into copper-free crude lead, %; (F) Pb passing into slag, % of initial Pb; (G) Pb content in slag %; (H) Pb content in crude lead, %; (I) Cu passing into slag/matte, %; (J) specific melt of solid charge, ton/m²; (K) Dust quantity, % of solid charge; (L) Cu content in crude lead; (M) Concentrate pre-processing before smelting; (N) roasting and sintering required; (O) roasting or roasting combined with sintering required; (P) raw concentrate used; (Q) Temperature of process, °C; (R) (1) losses of Cu elimination taken into account (0.57%); (S) (2) when granulated (if not granulated, 5.1%).

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Experimental Electrosmelting of Lead
 Concentrates With Soda Under Semi-
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Distribution of accompanying metals is shown in Table 5.

Table 5.
 Distribution of metals (in %) according to smelting products.

Smelting Product	Au	Ag	Cd	Bi	Mo	Se	Te	Tl	As	Sb
CRUDE LEAD	98,81	88,4	—	85	—	—	—	—	35,7	83,3
SLAG	1,13	11,3	2,1	15	90	95	95,6	55,3	57,3	16,7
DUST	0,06	0,3	97,9	—	10	5	4,4	41,7	7,0	—

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Regeneration of soda. Special regeneration tests were carried out. Leaching with water and carbonation of the solution with flue gases containing 6-8% CO₂ permitted the regeneration of 84% soda used in smelting. In their conclusions the authors summarize the above-mentioned facts and underline the high rate of Pb extraction (98.4%) and a high purity of the crude lead (98.56%). The concentration of accompanying metals into separate smelting products (98% of Cd into the dust, 90-98% of Se, Te, Mo into the slag) is also advantageous. The use of natural soda from Mikhailovo deposit in combination with the co-processing of flue dusts is of great importance. There are 5 tables; and 8 Soviet references.

ASSOCIATION: Kazakh Mining and Metallurgical Institute. Chair of
General Metallurgy and Metallurgical Furnaces
Card 8/9

Experimental Electrosmelting of Lead
Concentrates With Soda Under Semi-
Industrial Conditions

77739
SC77149-60-1-11/27

(Kazakhskiy gornometallurgicheskiy institut, Kafedra
obshchey metallurgii i metallurgicheskikh pechey)

SUBMITTED: June 8, 1959

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MALKIN, I.M.; CHIRKOVA, N.P.; NEYMAN, V.G.; KARLINSKAYA, I.S.; GANCHENKO,
V.M.; POKIDYSHEV, M.I.; CHERNYSHEV, Yu.P.; PLATONOV, G.F.;
MIKHAYLOV, N.I.; ABDEYEV, M.A.; MILLER, O.G.; BUTENKO, N.S.;
DYUYSEKIN, Ye.K.

Treatment of zinc-bearing slags in electric furnaces with coke
conductivity. TSvet. met 33 no. 12:15-23 D '60. (MIRA 13:12)

1. Leninogorskiy polimetallicheskiy kombinat (for Malkin, Chirkova,
Neyman, Karlinskaya, Ganchenko, Pokidyshev, Chernyshev). 2. Altay-
skiy gorno-metallurgicheskiy institut AN KazSSR (for Platonov,
Mikhaylov, Abdeyev, Miller, Butenko, Dyuysekin).
(Zinc--Electrometallurgy) (Electric furnaces)

PLATONOV, G.F.; ABDEYEV, M.A.; BUTENKO, H.S.; SEZOV, Yu.M.; VERSHININA, V.V.;
MIKHAYLOV, N.I.; SIDORENKO, T.A.; DYUYSEKIN, Ye.K.; PRIMBETOV, M.D.;
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IL'INA, I.I.; BERDUS, Yu.M.

Two-stage method of treating slag and sinter cake in electric furnaces.
Trudy Akad. Nauk Kazakh. SSR 14:4-13 '63. (MIRA 16:9)
(Nonferrous metals—Electrometallurgy)

NIKOLOV, Zdr., inzh; GANCHEV, Al., inzh.

The 27-45 mc/s wobble generator. Radio i televiziia 12 no.4:
125-127 '63

GANCHOV, A.

"Determining the External Quality of White Pine Branches with Reference to the Improvement of Types Produced." p.139 (IZVESTIYA, Vol. 2, 1951, Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March 1954, Uncl.

GANCHEV, A.

"Eucommia Ulmoides Oliv as a Rubber Producing Tree," p. 123.
(Gorsko Stopanstvo, Vol.8, No.3, Mar. 1952, Sofiya.)

SO: Monthly List of ^{East European} ~~Russian~~ Accessions / ^{Vol.2, No.9} Library of Congress, September 1953, Uncl.

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"Impressions of the German Democratic Republic and its Forests
Industries", P. 394. (GORSKO STOPANSTVO, Vol. 10, No. 9, Nov. 1954,
Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 6, June 1955, Uncl.

GANCHEV, A. ; FLOSHTAKOV, L.

Problem in the preplanting preparation of soil for linden seeds. p. 251.

Vol. 11, no. 6, June 1955
GORSKO STOPANSTVO
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 April 1956

BULGARIA / Forestry. Forest Crops

K-4

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58405

Author : Ganchev, A.

Inst : Bulgarian Academy of Science

Title : Fall Sowing and Stratification of Seeds of the
Common Ash, The Poplar and the Norway Maple

Orig Pub: Izv. In-ta za gorata, Bolg. AN., 1957, 2, 437-450

Abstract: The results of experiments conducted in 1955 on the study of seed quiescence in *Fraxinus excelsior*, *Acer pseudoplatanus* and *A. platanoides* are given. A part of the seeds was sown in the nursery immediately after the harvest. Another part was stratified at the temperature of 10-18° up to 15 October and at 0-7° in the subsequent period. The

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BULGARIA / Forestry. Forest Crops

K-4

Abs Jour: Ref Zhur-Biol, No 13, 1958, 56405

readiness of stratified seeds to germinate was determined by keeping them in a hothouse during 2 months (in February and in April) at a temperature of 16-22°. No important differences in their germination capability were noticed (for every genus) between stratified seeds and those which were sowed in the fall (for the same harvest). It is noted that the different germination capabilities of seeds (12.7- 95 percent) during various times of the harvest indicate the connection between the maturity and the depth of the seeds' quiescence. --V. I. Nekrasov

Card 2/2

7

Ganchev, At.

BULGARIA / General Division, Congresses, Conventions, Conferences A-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 108

Author : Ganchev, At.

Inst : Not Given

Title : Results of the Conference on Poplars Which Met in Budapest
(23/IX-30/X, 1956)

Orig Pub : Gorskó stopanstvo, 1957, 13, No 1, 16-26

Abstract : No abstract

Card : 1/1

GANCHEV, A.

"Species and forms of poplars, cultivated and suitable for cultivation in Bulgaria."

p. 18 (Gorsko Stopanstvo, Vol. 14, no. 2, Feb. 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

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Vol. 12, No. 6, June 1956.

GORSKO STOPANSTVO

AGRICULTURE

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

GANCHEV, B., inzh.

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no.3:31-32 '63.

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"Qualifications of Mineworkers", P. 3, (MINNO DELO, Vol. 9, No.1, Jan 1954,
Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1,
Jan. 1955, Uncl.

GANCHEV, B.

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"Qualifications of Mine Employees With Secondary and Higher Education", P. 5, (MINNO DELO, Vol. 9, No. 3, Mar. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No.1, Jan. 1955, Uncl.

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For Precision of Meaning and for Standardization of Mining Terminology.
Minno Delo (Mining), #1:108:Jan 55

GANCHEV, B.

New method for underground drilling. p. 44.
TEKHNIKA, Sofiya, Vol. 4, no. 6, Aug./Sept. 1955.

SJ: Monthly List of East European Accessions, (SEAL), LC, Vol. 5, No. 6 June 1956,
Uncl.

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Ganchev, B. Unifying mining terminology. p. 108. MINING WORLD. Sofia.
Vol. 10, no. 1, Jan./Feb. 1955.

SO: Monthly List of the East European Accession (EEAL) L3. Vol. 4,
no. 10, Oct. 1955. Incl.

GANCHEV, B.

"Some practical hints regarding the ventilation of mine passages, tunnels, shafts, and galleries."

p.65 (Minno Delo, Vol. 12, no. 2, Mar./Apr. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

GANCHEV, B.

"Factors affecting the speed of driving holes for explosives with driving hammers."

MINNO DELO, Sofia, Bulgaria, Vol. 14, no. 2, Mar./Apr. 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, ^{Sept.} Jun 59,
Unclas

KALISHEVSKIY, L.L., kand. tekhn. nauk; GANCHEV, B.G., inzh.

Investigating the volume of heat release in an axial-flow
cyclone combustion chamber. Izv. vys. ucheb. zav.; mashinostr.
no.4:99-106 '65. (MIRA 18:5)

L 05662-67 EMT(m)/T VM/CM/AM/WE

ACC NR: AP6024822

SOURCE CODE: UR/0096/66/000/008/0072/0075

AUTHOR: Kalishevskiy, L. L. (Candidate of technical sciences); Ganchev, B. G. (Candidate of technical sciences)

ORG: MVTU im. N. E. Bauman

78
B

TITLE: Investigation of the aerodynamic structure of cyclone burners during combustion of solid fuel

SOURCE: Teploenergetika, no. 8, 1966, 72-75

TOPIC TAGS: combustion, solid fuel, flow structure, aerodynamic characteristic, turbulent flow

ABSTRACT: The authors study flow motion in axial and tangential cyclone burners 620 mm in diameter with L/D ratios of 1.25 and 1.1 respectively and an outlet nozzle diameter of $0.44 D$. Helical input of secondary air is done through three nozzles 85, 218 and 105 mm wide in the axial chamber, and through four nozzles 130, 130, 130 and 115 mm wide in the tangential chamber. Water-cooled pneumometric probes were used for taking the velocity fields in the cyclone. The measurements were made during combustion of low-ash concentrates. Comparison measurements were made during combustion of diesel fuel and cold blow-through. Experiments under characteristic optimum conditions for the axial burner showed a considerable reduction in the coefficient of

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UDC: 662.93.001.5

L 05662-67

ACC NR: AP6024822

velocity conservation in comparison with combustion of liquid fuel. The rate of gas flow increases from section to section toward the outlet from the cyclone. This increase in the rate of flow is basically in the axial zone (2/3 of the radius) which indicates considerable radial mixing of the gas both in the bottom regions and throughout the body of the cyclone. This is confirmed by determination of the total velocity vector using a 5-channel probe in a tangential cyclone burner. Analysis of the experimental data for flow in the cyclone shows considerable asymmetry in the longitudinal cross section, considerable radial velocity components throughout the body of the cyclone, a strong reverse current at the periphery which increases with distance between the air input and the entrance section, forward and reverse peripheral currents in the cyclone cavity and the absence of a central reverse current. No zones of directional gas circulation were observed in either the head section or cavity of the cyclone which indicates that exchange between direct and reverse currents is possible only through strong flow turbulence. Forward and reverse motion of the gas in the axial direction on the periphery of the cyclone results in conditions for circulation of solid particles both in transverse and longitudinal directions with respect to the surfaces of zero values for axial gas velocity. Particles at the periphery in the zone of forward flow do not all reach the zone of reverse flow so that some are carried away into the cyclone cavity where conditions of toroidal particle motion exist. The material carried away from the entrance region decreases as the section of the cyclone periphery encompassed by the reverse current and twisting in the cyclone increase. Orig. art. has: 6 figures.

SUB CODE: 20/ SUBM DATE: None/ ORIG REF: 004

Card 2/2

KALISHEVSKIY, L.L., kand. tekhn. nauk; GANCHEV, B.G., inzh.

Investigating the completeness of heat release in a
tangential cyclone chamber. Izv. vys. ucheb. zav.;
mashinostr. no.5:103-111 '65. (MIRA 18:11)

KALECHEVSKIY, L.L., kand. tekhn. nauk; GANDCHEV, B.G., inzh.

Study of combustion in a horizontal cyclone furnace with liquid
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1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni
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SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Uncl.

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"Correct Planning and Accounting for the Stopover of Local Freight Cars"
and "Shortcomings in the Accounting Services", a discussion of articles.
p. 16. Vol. 7, no. 7, 1955. TRANSPORTNO DELO, Sofiya

SOURCE: East European Accessions List. (EEAL) Library of Congress.
Vol. 5, No. 8, August 1956.

TRENKOV, Iv.; POSTNIKOVA [translator]; GANCHEV, G. [translator]

A method of solving the systems of normal equations in the leveling of large triangulation networks. Izv geod BAN no.4: 69-81 '63.

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248 '63.

TSANEVA, N., d-r; GANCHEV, G., d-r

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Low-voltage miniature soldering lamp. Ibid.; 328-329.

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